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states:

(71) Applicant: **MITSUI PETROCHEM IND LTD**

(72) Inventor: **SUGA CHUZO
AZUMA YASUSUKE**

(74) Representative:

(54) **PRODUCTION OF TAXANE TYPE DITERPENE**

(57) Abstract:

PURPOSE: To industrially and advantageously obtain the subject compound useful as a therapeutic agent, etc., for ovarian, mammary cancer, lung cancers, etc., by culturing a cell or a tissue of a plant capable of producing a taxane type diterpene in the presence of an oxidizing agent and recovering the produced oil from the resultant cultured product.

CONSTITUTION: A cell or a tissue of a plant capable of producing a taxane type diterpene (e.g. *Taxus baccata* Linn) is bedded on a solid culture medium containing naphthaleneacetic acid and cultured in the dark at 25°C by stationary culture to produce a callus, which is then cultured in a culture medium containing an oxidizing agent (e.g. potassium peroxodisulfate) at 25°C for 21 days by shaking culture, then collecting the cultured cell of the plant capable of producing the taxane type diterpene by filtration, freeze-drying the collected cell, extracting the dried callus and culture medium with methanol, dichloromethane, etc., and purifying the extract by a high-performance liquid chromatography. Thereby, the

objective taxane type diterpene (e.g. taxol) useful as a therapeutic agent, etc., for ovarian, mammary, lung cancers, etc., is efficiently obtained.

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🔍 **Title:** **JP8205881A2: PRODUCTION OF TAXANE TYPE DITERPENE**

🔍 **Country:** **JP Japan**

🔍 **Kind:** **A**

🔍 **Inventor:** **SUGA CHUZO;
AZUMA YASUSUKE;**

🔍 **Assignee:** **MITSUI PETROCHEM IND LTD**
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🔍 **Published / Filed:** **Aug. 13, 1996 / March 6, 1995**

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🔍 **Abstract:**

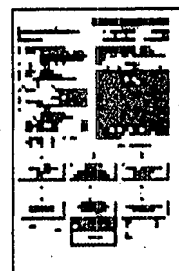
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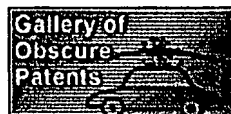
🔍 **Family:** **None**

🔍 **Other Abstract Info:** **CHEMABS 125(19)245814W CAN125(19)245814W DERABS C96-419818 DERC96-419818**



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